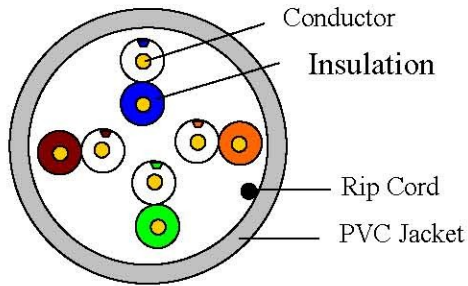


UTP CAT3-24AWG-4PAIR

Cross Section



Performance

Electrical Characteristics:

Frequency (MHz)	SRL (dB)	ATT (dB/100)	NEXT (dB)	Impedance (ohms)
0.772	12	2.2	43	100 ± 15
1	12	2.6	41	100 ± 15
4	12	5.6	32	100 ± 15
8	12	8.5	28	100 ± 15
10	12	9.7	26	100 ± 15
16	10	13.1	23	100 ± 15

Marking

ZHAOLONG CABLE 4X2X24AWG UTP CATEGORY 3 CABLE
XXXXX METER

Description

Application

Telephony Voice Wiring, 10 Base-T, 100 Base-T4

Reference Standard

UL Subject 444, EIA/TIA568 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. Nom (mm)	0.500
Insulation	PE
Average Thickness(±0.03mm)	0.16
Min. Point Thickness(mm)	0.15
Insulation Dia.(±0.05mm)	0.83
Twisting Lay Length(mm)	80 underneath
Cabling Lay Length(mm)	120mm
Polyester	YES
Jacket	PVC
Average Thickness(±0.03mm)	0.50
Min. Point Thickness(mm)	0.47
Rip Cord	YES

Color

Insulation colors

Blue, White/Blue
Orange, White/Orange
Green, White/Green
Brown, White/Brown

Jacket colors:

Per customer request

Part No.: ZL-Cat3-4P-PVC-24AWG

Capacitance	56pF/km
Capacitance unbalance	500pF/100m
Max. Conductor DC Resistance 20°C (ohms/km)	≤93.8
Resistance Unbalance (%)	≤5
Insulation Resistance	5000M Ω ·km
Dielectric Strength:	DC.1.5KV, 1min.

Mechanical Characteristics:

Test Object

Test Material	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (°Cxhrs)	100x240
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack
Temperature rating :	-20 °C to 75 °C
Max Pull strength:	200N
Elongation of conductor:	min 15%
Elongation of insulation:	min 300%
Tensile strength of insulation:	min 16Mpa
Shrinkage of insulation:	max 5%
Elongation of jacket(unaged):	min 200%
Tensile strength of jacket(unaged):	min 12Mpa